

Patents Recently Issued to IBM Inventors

October and November 1968

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3,403,955	Radiant Energy Conductor with Diffusing Surface.....	R. R. Jueneman
3,404,230	Frequency Corrector for Use in a Data Transmission System.....	R. R. Hailey, G. J. Laurer and R. J. Simpson
3,404,376	Computer Sub-system Circuits.....	P. J. Brown
3,404,392	Magnetic Track Following Servo System.....	F. J. Sordello
3,404,594	Visible Perforating Apparatus with Reciprocating Stripping.....	W. L. Dollenmayer
3,404,766	Variable Spacebar Mechanism for Automatically Operated Proportional Escapement Printer.....	W. H. Castle, J. E. Jones and R. A. Rahenkamp
3,405,234	Tone Circuits for Control and Data Signals.....	L. E. West
3,405,258	Reliability Test for Computer Check Circuits.....	H. C. Goddy and N. E. Gross
3,405,285	Stabilization Circuit.....	J. L. Walsh and J. R. Turnbull, Jr.
3,405,323	Apparatus for Cooling Electrical Components.....	R. J. Surty and J. Taranto
3,405,391	Double Frequency Detection System.....	M. O. Halfhill and H. C. Stephens
3,405,394	Controlled Register Accessing.....	J. F. Dirac
3,406,036	Selective Deposition Method and Article for Use Therein.....	R. S. McGrath and N. W. Silcox
3,406,040	Vapor Deposition Method for Forming Thin Polymeric Films.....	E. M. Da Silva and R. T. Bogardus
3,406,041	Method and Apparatus for Depositing Particles onto an Object.....	E. E. Conrad
3,406,049	Epitaxial Semiconductor Layer as a Diffusion Mask.....	J. C. Marinace
3,406,107	Non-cyanide Silver Plating Bath.....	K. R. Grebe and J. V. Powers
3,406,244	Multi-liquid Heat Transfer.....	S. Oktay
3,406,298	Integrated IGFET Logic Circuit with Linear Resistive Load.....	M. S. Axelrod
3,406,366	Electrical Temperature Sensor Device.....	R. Kontrimas, R. J. Krohl and E. S. Wajda
3,406,382	Random Access Film Strip Storage System.....	R. K. Wilmer
3,406,477	Film Record Card and Method for Making Same.....	E. P. Kollar, S. M. Jensen and D. L. Tiley
3,406,633	Collapsible Chamber Pump.....	J. F. Schomburg
3,407,017	Element for Optical Logic.....	H. Fleisher and K. M. Kosanke
3,407,126	Electrodeposition of Magnetic Thin Films.....	H. Koretzky
3,407,290	Serial Digital Multiplier.....	A. J. Atrubin
3,407,296	X-ray Holographic Microscope Having Three Diffracting Crystals Disposed in Parallel Along the X-ray Beam Path.....	J. A. Armstrong
3,407,343	Insulated-gate Field Effect Transistor Exhibiting a Maximum Source-drain Conductance at a Critical Gate Bias Voltage.....	F. F. Fang
3,407,359	Dual Gain Transistor Circuit.....	H. E. Amrine and J. P. Martin
3,407,391	Computer Input Channel.....	J. L. Craft
3,407,781	Combined Indicator and Order Card Form.....	F. J. Ardire and A. De Pasquale
3,408,192	Light-sensitive Diazotype Compositions and Elements.....	C. M. Aebi
3,408,237	Ductile Case-hardened Steels.....	J. T. Gulliksen, A. E. Oldaker and F. J. Bolda
3,408,458	Line Identifying and Marking Apparatus.....	R. B. Hennis
3,408,557	Constant Source Current Regulating System.....	T. B. Horgan and R. A. Stanley
3,408,578	Automatic Gain Control Circuit.....	W. D. Smith
3,408,585	Operational Amplifier with Improved Drive Means.....	J. C. Greeson, Jr. and J. J. Kennedy
3,408,586	Feedback Amplifier Utilizing a Feed Forward Technique to Achieve High Direct Current Gain and Wide Bandwidths.....	R. Ordower
3,408,631	Record Search System.....	J. R. Evans and R. A. Jones
3,408,637	Address Modification Control Arrangement for Storage Matrix.....	R. G. Gibson, R. A. Steigerwald and R. A. Ide

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3,409,116	Orienting Device with Anti-jam Means.....	J. R. O'Malley
3,409,785	Wide Band Electronically Variable Level Shifter.....	P. E. Stuckert
3,409,796	Cathode Ray Tube Microfilm Indexing System.....	J. B. Money
3,409,799	Automatic Focusing System for Beam Devices.....	F. Kurzweil, Jr., R. R. Barber and M. H. Dost
3,409,881	Nondestructive Read-out Storage Device with Threshold Logic Units.....	M. P. Marcus and C. J. Tunis
3,409,882	Digital Concept Coordination Information Retrieval System.....	J. R. Sweet, Jr., L. D. Stevens and J. O. Hildebrand
3,409,883	Balanced Common Inhibit Sense System.....	D. E. Norton

3,409,901	Automatic Toner Concentration Control for Use with CRT Input.....	<i>M. H. Dost and G. L. Wiederhold</i>
3,410,401	Substrate Rework Control Circuit for a Chip Positioning Machine.....	<i>J. G. Drop</i>
3,410,451	Document Retrieval System.....	<i>R. K. Wilmer</i>
3,410,686	Development of Images.....	<i>M. P. Prater</i>
3,410,774	Method and Apparatus for Reverse Sputtering Selected Electrically Exposed Areas of a Cathodically Biased Workpiece.....	<i>F. Barson and J. Sturm</i>
3,411,122	Electrical Resistance Element and Method of Fabricating.....	<i>J. M. Schiller and M. N. Turetzky</i>
3,411,143	Instruction Address Control by Peripheral Devices.....	<i>W. F. Beausoleil and A. Padege</i>
3,411,144	Input-output Apparatus.....	<i>F. R. Rausch</i>
3,411,202	Method of Manufacturing Recording Heads.....	<i>B. Schwartz</i>
3,411,203	Electrical Field Tailoring of Thin Film Resistors.....	<i>F. J. Pakulski and W. L. Wright</i>
3,411,390	Web Notching Device.....	<i>K. B. Maynard and V. W. Jennings</i>
3,411,906	Diazo Development Process.....	<i>J. W. Boone and H. S. Todd</i>
3,411,947	Indium Oxide Resistor Composition, Method, and Article.....	<i>M. L. Block and A. H. Mones</i>
3,411,960	Ferromagnetic Thin Film Alloy.....	<i>B. L. Flur</i>
3,412,138	Alkylation of Tyrosine.....	<i>S. L. Solar and R. R. Schumaker</i>
3,412,300	Optimum Switching of a Bang-bang Servo.....	<i>C. E. Westenskow</i>
3,412,336	Circuit for Converting a Train of Duration Modulated Periodically Recurring Pulses to a Train of Similarly Modulated Periodic Pulses Having a Different Frequency of Recurrence.....	<i>R. P. Auyang</i>
3,412,338	Frequency Filter.....	<i>R. Bernstein and W. R. Remley</i>
3,412,493	Tamper-proof Record Structure.....	<i>W. K. French</i>
3,412,915	Pneumatic Capstan Assembly.....	<i>F. R. Hertrich</i>
3,413,065	Digital Scanning Densitometer.....	<i>H. L. Funk</i>
3,413,137	Method of Making Ink-filled Transfer Element.....	<i>P. Chebiniak and E. R. Mondou</i>
3,413,141	Method and Apparatus for Making Oriented Magnetic Recording Media....	<i>H. Friedman</i>
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3,413,157	Solid State Epitaxial Growth of Silicon by Migration from a Silicon-aluminum Alloy Deposit.....	<i>L. L. Kuiper</i>
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3,413,453	Hybrid Ramp Function Generator to Deflect Electron Beam.....	<i>R. A. Thorpe</i>
3,413,464	Method for Measuring the Nucleic Acid in Biological Cells after Enhancement in an Acidic Solution.....	<i>L. A. Kametsky</i>
3,413,517	Filament Current Control by a Superposed Dithering Voltage.....	<i>R. R. Barber, P. C. Lang, K. H. Loeffler and F. Kurzweil, Jr.</i>
3,413,525	Patch Panel Wiring System.....	<i>H. L. Funk, M. Krakinowski and F. P. Palermo</i>
3,413,557	Gated Strobing Latch for Synchronizing Data in an Asynchronous System...	<i>G. R. Muhlenbruch</i>
3,413,599	Handling of Information with Coset Codes.....	<i>C. V. Freiman</i>
3,413,602	Data Conversion Techniques for Producing Autocorrelation Functions.....	<i>L. P. Horwitz and G. L. Shelton, Jr.</i>
3,413,605	Synchronous Remote Element Operating with Answer Back.....	<i>P. Abramson, P. H. Chin and F. J. De Felice</i>
3,413,610	Display Device with Synchronized Video and BCD Data in a Cyclical Storage..	<i>J. L. Botjer, E. O. Donner, H. E. Frye and H. S. Keeler</i>
3,413,615	Delay Line Buffer Storage Circuit.....	<i>J. L. Botjer, E. O. Donner, H. E. Frye and H. S. Keeler</i>
3,413,616	Persistent Supercurrent Associative Memory System.....	<i>A. B. Lindquist</i>
3,413,622	Drive-sense Line with Impedance Dependent on Function.....	<i>A. Furman</i>